

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A display device , comprising:

a semiconductor substrate;

an array of control elements including drive lines formed on the semiconductor substrate; and

an array of reflective pixel electrodes arranged in rows and columns, the array of pixel electrodes being stacked over the array of control elements so that each of the control elements controls a state of reflection of a corresponding one of the pixel electrodes, wherein:

each of the reflective pixel electrodes has a substantially rectangular shape having a first aspect ratio, and the control elements are formed in respective second substantially rectangular regions defined by a crossing matrix of lines parallel to the drive lines ~~and, each composed of an N-well region and a P-well region,~~ closely arranged side-by-side, each of the second regions having a second aspect ratio different from the first aspect ratio; and

the control elements are arranged (i) in a first direction that makes an angle greater than zero and smaller than 90° with a direction of the rows of the reflective pixel electrodes, and (ii) in a second direction perpendicular to the first direction.

2. (Previously Presented) The display device according to claim 1, wherein the state of reflection is controlled by one of (i) controlling alignment of a liquid-crystal layer disposed over the corresponding one of the pixel electrodes, and (ii) controlling an angle of the corresponding one of the pixel electrodes.

3. (Original) The display device according to claim 1, further comprising a converter that (i) receives a video signal including a series of image data in an order

corresponding to the rows and columns of the pixel electrodes, and (ii) converts the order of the series of image data in the received video signal in accordance with correspondences between rows and columns of the array of control elements and the rows and columns of the pixel electrodes.

4. (Original) The display device according to claim 3, wherein the array of control elements includes first drive lines extending in the first direction and second drive lines extending in the second direction.

5. (Original) The display device according to claim 1, wherein the array of control elements includes row drive lines extending in a direction of the rows of the array of the pixel electrodes, and column drive lines extending in a direction of the columns of the array of the pixel electrodes.

6. (Previously Presented) A display device, comprising:

- a semiconductor substrate;
- an array of control elements arranged in rows and columns formed on the semiconductor substrate, the array of control elements including row drive lines and column drive lines formed on the semiconductor substrate; and
- an array of reflective pixel electrodes arranged in rows and columns with a first pitch and a second pitch, the array of pixel electrodes is stacked over the array of control elements so that each of the control elements controls a state of reflection of a corresponding one of the pixel electrodes:

wherein the control elements are arranged in same directions as the rows and columns of the pixel electrodes with (i) a third pitch different from the first pitch, (ii) a fourth pitch different from the second pitch, and (iii) a product of the first and the second pitches is equal to a product of the third and the fourth pitches.

7. (Original) The display device according to claim 6, wherein the state of reflection is controlled by (i) one of controlling an alignment of a liquid-crystal layer disposed over the corresponding one of the pixel electrodes, and (ii) controlling an angle of the corresponding one of the pixel electrodes.

8. (Currently Amended) A method of making a display device, comprising:

forming an array of control elements including drive lines formed on a semiconductor substrate; and

forming an array of reflective pixel electrodes arranged in rows and columns, the array of pixel electrodes being stacked over the array of control elements so that each of the control elements controls a state of reflection of a corresponding one of the pixel electrodes, wherein:

each of the reflective pixel electrodes has a substantially rectangular shape having a first aspect ratio, and the control elements are formed in respective second substantially rectangular regions; defined by a crossing matrix of lines parallel to the drive lines ~~and each composed of an N-well region and a P-well region~~, arranged closely side-by-side, each of the second regions having a second aspect ratio different from the first aspect ratio; and

the control elements are arranged (i) in a first direction that makes an angle greater than zero and smaller than 90° with a direction of the rows of the reflective pixel electrodes, and (ii) in a second direction perpendicular to the first direction.

9. (Previously Presented) A method of making a display device, comprising:

forming an array of control elements arranged in rows and columns on a semiconductor substrate, the array of control elements including row drive lines and column drive lines formed on the semiconductor substrate; and

forming an array of reflective pixel electrodes arranged in rows and columns with a first pitch and a second pitch, the array of pixel electrodes being stacked over the array of control elements so that each of the control elements controls a state of reflection of a corresponding one of the pixel electrodes:

wherein the control elements are arranged in same directions as the rows and columns of the pixel electrodes with (i) a third pitch different from the first pitch, (ii) a fourth pitch different from the second pitch, and (iii) a product of the first and the second pitches is equal to a product of the third and the fourth pitches.

10. (Cancelled)

11. (Previously Presented) The display device according to claim 1, wherein areas of the first and the second substantially rectangular regions are equal to each other.

12. (Previously Presented) The display device according to claim 1, wherein each of the pixel electrodes partly overlaps the corresponding one of the control elements.

13. (Cancelled)

14. (Previously Presented) The method according to claim 8, wherein areas of the first and the second substantially rectangular regions are equal to each other.

15. (Previously Presented) The method according to claim 8, wherein each of the pixel electrodes partly overlaps the corresponding one of the control elements.

16. (Previously Presented) The display device according to claim 6, wherein the reflective pixel electrodes are arranged in a line in each of the rows and columns.

17. (Previously Presented) The method according to claim 9, wherein the reflective pixel electrodes are arranged in a line in each of the rows and columns.